



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/792,194	03/03/2004	Hui-Ling Lou	MP0431	4891
26703	7590	03/26/2008	EXAMINER	
HARNESS, DICKEY & PIERCE P.L.C.			BURD, KEVIN MICHAEL	
5445 CORPORATE DRIVE			ART UNIT	PAPER NUMBER
SUITE 200				
TROY, MI 48098			2611	
			MAIL DATE	DELIVERY MODE
			03/26/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/792,194	LOU ET AL.	
	Examiner	Art Unit	
	Kevin M. Burd	2611	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 14 January 2008.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-29 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1,2,5,14-16,18,19 and 22 is/are rejected.
- 7) Claim(s) 3,4,6-13,17,20,21 and 23-29 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 14 January 2008 is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

<input type="checkbox"/> Notice of References Cited (PTO-892)	<input type="checkbox"/> Interview Summary (PTO-413)
<input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
<input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	<input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date _____ .	<input type="checkbox"/> Other: _____ .

1. This office action, in response to the amendment and remarks filed 1/14/2008, is a final office action.

Response to Arguments

2. The objection to the drawings is withdrawn and the amendment to the drawings is approved.

3. The previous rejection of the claims under 35 USC 101 is withdrawn. Applicant has amended the specification and drawings and provided clarification. The received analog signal is converted to a digital signal in the A/D converter. The digital signal is input to the analog demodulator shown in figure 3A outputs demodulated analog audio signals.

4. Applicant's arguments filed 1/14/2008 regarding the rejection of claims 1, 2, 5, 14-16, 18, 19 and 22 have been fully considered but they are not persuasive. Tazaki discloses a FM signal is received and input to both an analog FM demodulator 21 and a digital demodulator 31. The demodulators will each output a signal to switch 41. The switch is controlled by the sync detect block 34. When synchronous signals are detected, the switch will allow the digital demodulator output signal to be passed to the downstream amplifier and speaker. When there are no synchronous signals detected, the switch will allow the output of the analog FM demodulator to be passed. Until the synchronous signals are detected and the switch is switched over to the digital

demodulator, the output of the analog FM demodulator will be input to the amplifier and speaker.

For these reasons and the reasons stated in the previous office action, the rejection of the claims are maintained and stated below.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1, 2, 5, 14-16, 18, 19 and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Tazaki (JP 2-154534).

Regarding claims 1, 14, 16 and 18, Tazaki discloses a method of using a radio receiver shown in figure 1. The receiver receives frequency modulated (FM) band signals (page 3 of translation, actions). A digital demodulator 31 for demodulating the received signal is disclosed (page 4 of translation). An analog demodulator 21 for demodulating the received signal is disclosed (page 4 of translation). The received signal is input to both the analog demodulator 21 and the digital demodulator 31 as shown in figure 1. When synchronous signals are detected, the digital demodulator is used to demodulate the signal (page 3 of translation). When there are no synchronous signals, the analog demodulator is used to demodulate the signal (page 3).

Regarding claims 2 and 19, an RF front end is shown in figure 1.

Regarding claims 5 and 22, the analog demodulator receives an input from the RF front end (figure 1).

Regarding claim 15, the digital demodulator will output digital signals.

Allowable Subject Matter

6. Claims 3, 4, 6-13, 17, 20, 21 and 23-29 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin M. Burd whose telephone number is (571) 272-3008. The examiner can normally be reached on Monday - Friday 9 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Payne can be reached on (571) 272-3024. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kevin M. Burd/
Primary Examiner, Art Unit 2611
3/17/2008